

System and Method for Interfacing a Data Link Protocol Engine and a Physical Layer

Abstract of the Disclosure

A system and method is provided for interfacing a protocol component with a physical layer component. Initially, a parameter setting message is sent to the physical layer indicating at least the mode of the processor. If the mode is nonframing, a handshaking tone or pattern detection request message is sent to the physical layer component enabling detection of specific handshaking tones or patterns. Next, a handshaking tone or pattern detection indicate message is received from the physical layer component indicating that a recognized tone or bit pattern has been detected in response to a detection request message. A signal request message is sent from the handshaking component to the physical layer component indicating that a handshaking message is to be transmitted as well as the content of that message. In addition, the signal request message also preferably includes parameters relating to the duration of the signal to be transmitted, such as a maximum and minimum symbol number. If these parameters are infinite the physical layer will continue to transmit the signals forever. A handshaking signal confirmation message is received by the handshaking component from the physical layer component indicating that requested signal has been transmitted for the maximum number of symbols.

Figures

Year	Area	Population	Area	Population	Area	Population
1970	100	100	100	100	100	100
1971	100	100	100	100	100	100
1972	100	100	100	100	100	100
1973	100	100	100	100	100	100
1974	100	100	100	100	100	100
1975	100	100	100	100	100	100
1976	100	100	100	100	100	100
1977	100	100	100	100	100	100
1978	100	100	100	100	100	100
1979	100	100	100	100	100	100
1980	100	100	100	100	100	100
1981	100	100	100	100	100	100
1982	100	100	100	100	100	100
1983	100	100	100	100	100	100
1984	100	100	100	100	100	100
1985	100	100	100	100	100	100
1986	100	100	100	100	100	100
1987	100	100	100	100	100	100
1988	100	100	100	100	100	100
1989	100	100	100	100	100	100
1990	100	100	100	100	100	100
1991	100	100	100	100	100	100
1992	100	100	100	100	100	100
1993	100	100	100	100	100	100
1994	100	100	100	100	100	100
1995	100	100	100	100	100	100
1996	100	100	100	100	100	100
1997	100	100	100	100	100	100
1998	100	100	100	100	100	100
1999	100	100	100	100	100	100
2000	100	100	100	100	100	100
2001	100	100	100	100	100	100
2002	100	100	100	100	100	100
2003	100	100	100	100	100	100
2004	100	100	100	100	100	100
2005	100	100	100	100	100	100
2006	100	100	100	100	100	100
2007	100	100	100	100	100	100
2008	100	100	100	100	100	100
2009	100	100	100	100	100	100
2010	100	100	100	100	100	100
2011	100	100	100	100	100	100
2012	100	100	100	100	100	100
2013	100	100	100	100	100	100
2014	100	100	100	100	100	100
2015	100	100	100	100	100	100
2016	100	100	100	100	100	100
2017	100	100	100	100	100	100
2018	100	100	100	100	100	100
2019	100	100	100	100	100	100
2020	100	100	100	100	100	100